



ROOM TEMPERATURE ( $^{\circ}$ F)  $\longrightarrow$ 

A. UPON FALL IN SPACE TEMPERATURE

BELOW SET POINT VALVE V-1 WILL

MODULATE TO MAINTAIN SET POINT :

B. THE REVERSE SHALL OCCUR ON RISE

.5°, THE ADJUSTABLE TOLERANCE OF &

.5° HAS BEEN SELECTED TO PREVENT

CV BOX CONTROL SEQUENCE NO DEADBAND

VALVE HUNTING

IN SPACE TEMPERATURE.

HEATING MINIMUM

ROOM TEMPERATURE (°F) →

VAV BOX CONTROL SEQUENCE

NO DEADBAND

TEMPERATURE VALVE V-1 WILL MODULATE

ADJUSTABLE TOLERANCE  $\overline{\text{OF}} \pm .5^{\circ} \text{ F}$  HAS

HWR ----

**CONTROLLER** -

WALL MOUNTED 48" [1200mm] AFF.

ROOM THERMOSTAT/SENSOR

TO MAINTAIN SET POINT  $\pm$  .5° F. THE

C. THE REVERSE SHALL OCCUR ON THE RISE

BEEN SELECTED TO PREVENT VALVE

A. UPON FALL IN SPACE TEMPERATURE THE VAV DAMPER WILL MODULATE TO MINIMUM

B. UPON FURTHER DROP IN SPACE

IN SPACE TEMPERATURE.

MINIMUM

ROOM TEMPERATURE (\*F)  $\longrightarrow$ 

VAV BOX CONTROL SEQUENCE

W/DEADBAND

DEADBAND OF 5° F BETWEEN HEATING AND

COOLING SET POINTS WILL BE MAINTAINED.

VAV DAMPER WILL MODULATE TO MINIMUM

TEMPERATURE VALVE V-1 WILL MODULATE

TO MAINTAIN SET POINT  $\pm$  .5° F. THE ADJUSTABLE TOLERANCE  $\overline{OF} \pm .5^{\circ} F$  HAS BEEN SELECTED TO PREVENT VALVE

D. THE REVERSE SHALL OCCUR ON THE RISE

ROOM TEMPERATURE (\*F)  $\longrightarrow$ 

CV BOX CONTROL SEQUENCE

W/DEADBAND

COOLING 75° F (ADJ)

HEATING 70° F (ADJ)

VALVE HUNTING

IN SPACE TEMPERATURE.

MAINTAINED

/TERMINAL

**REHEAT** 

HWS F-

CONTROLLER -

ROOM THERMOSTAT/SENSOR WALL MOUNTED

48" [1200mm] AFF.

A. SET POINTS SHALL SET AS FOLLOWS:

AND COOLING SET POINT WILL BE

B. UPON FALL IN SPACE TEMPERATURE

BELOW SET POINT VALVE V-1 WILL

MODULATE TO MAINTAIN SET POINT &

.5',THE ADJUSTABLE TOLERANCE OF

C. THE REVERSE SHALL OCCUR ON RISE

.5" HAS BEEN SELECTED TO PREVENT

DEADBAND OF 5° F BETWEEN HEATING

A. SET POINTS SHALL BE SET AS FOLLOWS:

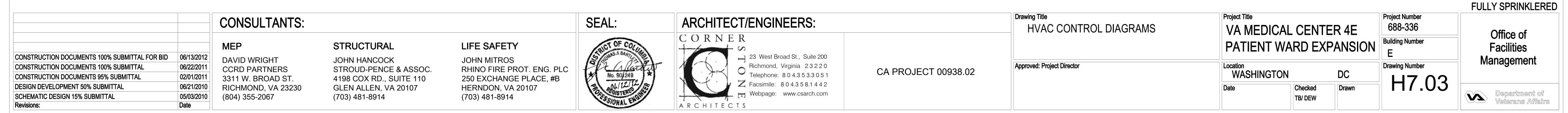
B. UPON FALL IN SPACE TEMPERATURE THE

UPON FURTHER DROP IN SPACE

IN SPACE TEMPERATURE.

COOLING 75°F (ADJ) HEATING 70°F(ADJ)

POSITION.



EXHAUST AIR

ON/OFF CONTROL

VALVE

CONDENSATE 5

BEFORE HUMIDITY CONTROLS ARE ACTIVATED.

**DUCT TRANSITION** 

AS REQUIRED-

RETURN

STEAM HUMIDIFIER

SUPPLY

RETURN (OR EXHAUST) AIR HUMIDITY SHALL BE MONITORED. ON A CALL FOR HUMIDIFICATION,

HUMIDIFIER VALVE V-1 SHALL MODULATE TO MAINTAIN THE RETURN (OR EXHAUST) AIR HUMIDITY SET POINT TO 30% (ADJUSTABLE). PRIOR TO ACTIVATION OF V-1, THE ON/OFF CONTROL VALVE V-2 SHALL BE ENABLED THROUGH ECC AND JACKET TEMPERATURE SENSED BY TSH SHALL BE WARM ENOUGH TO PREVENT CONDENSATION. THE HIGH LIMIT HUMIDITY SENSOR, LOCATED IN THE SUPPLY AIR DUCT 10 FEET AWAY FROM THE HUMIDIFIER SHALL

DISABLE THE HUMIDIFIER AND GIVE AN ALARM SIGNAL TO THE ECC, IF THE SUPPLY AIR

HUMIDITY EXCEEDS 90% RH (ADJUSTABLE). THE AIRFLOW SWITCH SHALL PROVE AIRFLOW

08 STEAM HUMIDIFIER CONTROL

(zs)——<u>M</u>=====

FEEDBACK TO

CLOSE & SEND AN ALARM TO THE ECC.

2 POSITION

BINARY POINT

NOTE: UPON DETECTION OF SMOKE BY THE SMOKE DETECTOR, THE SMOKE DAMPER SHALL

07 SMOKE DAMPER CONTROL

—SMOKE PARTITION

SEE SCHEDULE

-SMOKE DAMPER (N.C.)

DUCT

ALARM CONTROL

PANEL (FACP)

--ELECTRICAL

POWER

PRESSURE SWITCH HIGH -TO SHUT DOWN FAN UPON

REACHING HIGH PRESSURE

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